[002] This application is a national stage completion of PCT/IB2004/003552 filed August 26, 2004 which claims priority from French Application Serial No. 03/10177 filed August 26, 2003.

[003] FIELD OF THE INVENTION

[005] BACKGROUND OF THE INVENTION

[011] SUMMARY OF THE INVENTION

[014] BRIEF DESCRIPTION OF THE DRAWINGS

[026] DETAILED DESCRIPTION OF THE INVENTION

1-21. (CANCELED)

22. (NEW) A disposable cup to be set up on a spray gun in particular a gravity gun (17) for preparing, applying and preserving paint, the cup having one of a cylindrical shape or a truncated cone-shaped body (1) including a bottom (3) with a face crossed by a vent opening (6) and a cover (4) whose outlet duct (11) of the paint is directly set up on one of the spray gun or through an adaptation part (18), the adaptation part (18) being set up on the spray gun (17), the cup having on the bottom wall (3) a closable vent device (7) with a moving part manually adjusted and having a protruding end conformation for shutting, in a closed position, the vent opening (6) and extracting from the protruding end conformation, in the opened position, in order to free this conformation from the vent opening (6), this allows when the closable vent device (7) is opened, air to enter to occupy an inner volume space created by used paint at a time of painting and when the vent device (7) is closed, to close at least in a liquid-tight way, the vent opening (6) in order to form a container for paint preparation.

23. (NEW) The disposable cup according to claim 22, wherein the closable vent device (7) is a vent valve set up or conformed in or on the wall of the bottom (3) at the site of the vent opening (6) under a level base of the cup in a filling position.

24. (NEW) The disposable cup according to claim 23, wherein the vent valve is made up of a movable element (20) in a tubular valve body forming a valve duct (22) for in the closed position tightly closing the vent opening (6) existing in the bottom wall (3) of the cup.

25. (NEW) The disposable cup according to claim 24, wherein a movable element (20) has an end conformation in protrusion, adapted for engaging in the closed position to effect the tightness by penetrating into the vent opening (6).

26. (NEW) The disposable cup according to claim 24, wherein the tubular body making up the valve duct (22) extends from the bottom wall (3) of the cup outward around the vent opening (6) and has on an inner side face at least one immobilization structure provided for cooperation with two complementary forms recessed or in protrusion existing in or on a body of the movable element (20) or vice versa.

27. (NEW) The disposable cup according to claim 26, wherein the tubular body making up the valve duct (22) extends from the bottom wall (3) of the cup outward around the air vent opening (6) and has on the inner side face an inner annular rib (24) provided for carrying out two successive snap-in protrusion abutments with two recessed complementary forms existing in the body of the movable element (20).

28. (NEW) The disposable cup according to claim 27, wherein the movable element is one of a full or hollow valve plug (25) having a general cylindrical shape, with an upper peripheral edge (26) forming a shoulder, and frontal surface of lower end with a central protrusion and a side surface having immobilization structures for holding in the two positions and at least one passage of air.

29. (NEW) The disposable cup according to claim 28, wherein the movable element has a general cylindrical shape, with the upper peripheral edge (26) forming the shoulder, the frontal surface of lower end with the central protrusion and the side surface have two set back annular elements and at least one air passage.

30. (NEW) The disposable cup according to claim 22, wherein technical shapes of the vent device or those of the disposable cup movable parts keep the same general function.

31. (NEW) The disposable cup according to claim 28, wherein the central protrusion of the frontal surface of the lower end is a closing pin (28) having a lightly

truncated cone shape for tight closing, at least tight-liquid closing, of the vent opening (6), the plug (25) being held in this position by at least one immobilization structure.

32. (NEW) The disposable cup according to claim 31, wherein the size of the closing pin (28) and the tight penetration of the closing pin (28) in the vent opening (6) are such that the closing pin (28) does not protrude out of the inner face of the bottom face of the cup or at the very most that this just above the latter or is flush with this one.

33. (NEW) The disposable cup according to claim 22, wherein the bottom wall (3) of the cup is set back from the corresponding face of the cup by means of an annular peripheral edge (5) which height is such that the closable vent device (7) is in recessed position from a plane defined by an upper outer edge of the edge (5) making up the support edge of the cup in standing position, giving in this position a good stability.

34. (NEW) The disposable cup according to claim 29, wherein both recessed forms in the side surface of the plug (25) are two annular grooves (29, 30), successively from the bottom to the top of the plug (25) in one of which the snap-in inner annular abutment rib (24) of the valve duct (22) houses each time, thus effecting each time a stop, respectively an opening stop or vent stop and a closing stop.

35. (NEW) The disposable cup according to claim 29, wherein the air passage is at least one or two notches (31, 32) running lengthways diametrically opposed, set back from the side surface of the body of the valve plug (25), deeper than the first groove and which extend from the frontal lower end (27), across the first groove (29) and end before the second groove (30).

36. (NEW) The disposable cup according to claim 22, wherein one of the valve plug (25) or a second identical valve plug (33) can be set up on the outlet duct of the cover in order to form a paint pot for preservation of the leftover paint.

37. (NEW) The disposable cup according to claim 22, wherein the closable vent device is made up of a cap plug which covers and is slidably mounted on the cylindrical protrusion of the cup bottom face.

38. (NEW) The disposable cup according to claim 22, wherein a plug of the closable vent device is crossed by a duct of air passage.

39. (NEW) The disposable cup according to claim 38, wherein the duct of the air passage is divided into two channels in the lower end of the plug.

40. (NEW) The disposable cup according to claim 37, wherein the cylindrical protrusion of the bottom face of the cup receiving the plug is crossed at a base by at least one channel of air passage.

41. (NEW) The disposable cup according to claim 22, wherein the closable vent device is made up of a pivoting piece (45) crossed by an air passage channel moving between a closing tilted position in which the cup bottom opening (6) is closed by a protrusion (51) of the body and in which the air passage channel is not aligned with the cup bottom opening (6) and an open position in which the inward end side of the air passage channel faces or is close to the opening (6) of the bottom wall (3) of the cup.

42. (NEW) The disposable cup according to claim 22, wherein material of the body of the cup is one of opaque, translucent or ultraviolet filtering.